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AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for manufacturing <u>a</u> light-emitting device with compound semiconductor comprising; <u>a first step of:</u>

forming <u>an n-semiconductor</u> layer, an activated layer, and <u>a p-semiconductor</u> layer, in order, on the top of a double substrate;

a second step of making at least a part of the n-semiconductor <u>layer</u> exposed by <u>a</u> mesa-cut in <u>a</u> vertical direction from <u>thea</u> p-semiconductor layer to a part of the n-semiconductor <u>layer</u>;

a third step of forming a transparent electrode for extending an electric current on the top of the p-semiconductor layer and activating the p-semiconductor layer under the condition of using an oxygen plasma, and

a fourth step of forming each of an n- pad electrode and a p-pad electrode on the top of the transparent electrode for extending an electric current.

- 2. (Currently Amended) The method for manufacturing light-emitting device with compound semiconductor of claim 1, wherein said double substrate is a sapphire substrate.
- 3. (Currently Amended) The method for manufacturing light emitting device with compound semiconductor—of claim 1, wherein one or more of the said—n-semiconductor and p-semiconductor layer is <u>a</u> Group III-V compound semiconductor layer.
- 4. (New) The method of claim 1, wherein the transparent electrode is directly formed on the p-semiconductor layer without having an oxide layer formed first on a surface of the p-semiconductor layer facing the transparent electrode.
 - 5. (New) A light-emitting device comprising:a double substrate;an n-semiconductor layer, an activated layer, and a p-semiconductor

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layer, formed in order, on top of the double substrate;

an oxygen-plasma-activated transparent electrode for extending an electric current formed on the top of the p-semiconductor layer;

a p-pad electrode formed on the top of the transparent electrode for extending an electric current; and

an n-pad electrode formed on part of a mesa-cut section of the n-semiconductor layer for extending an electric current.

- 6. (New) The device of claim 5, wherein said double substrate is a sapphire substrate.
- 7. (New) The device of claim 5, wherein one or more of the n-semiconductor and p-semiconductor layer is a Group III-V compound semiconductor layer.
- 8. (New) The device of claim 5, wherein the transparent electrode is directly formed on the p-semiconductor layer without having an oxide layer formed first on a surface of the p-semiconductor layer that is between the p-semiconductor layer and the transparent electrode.